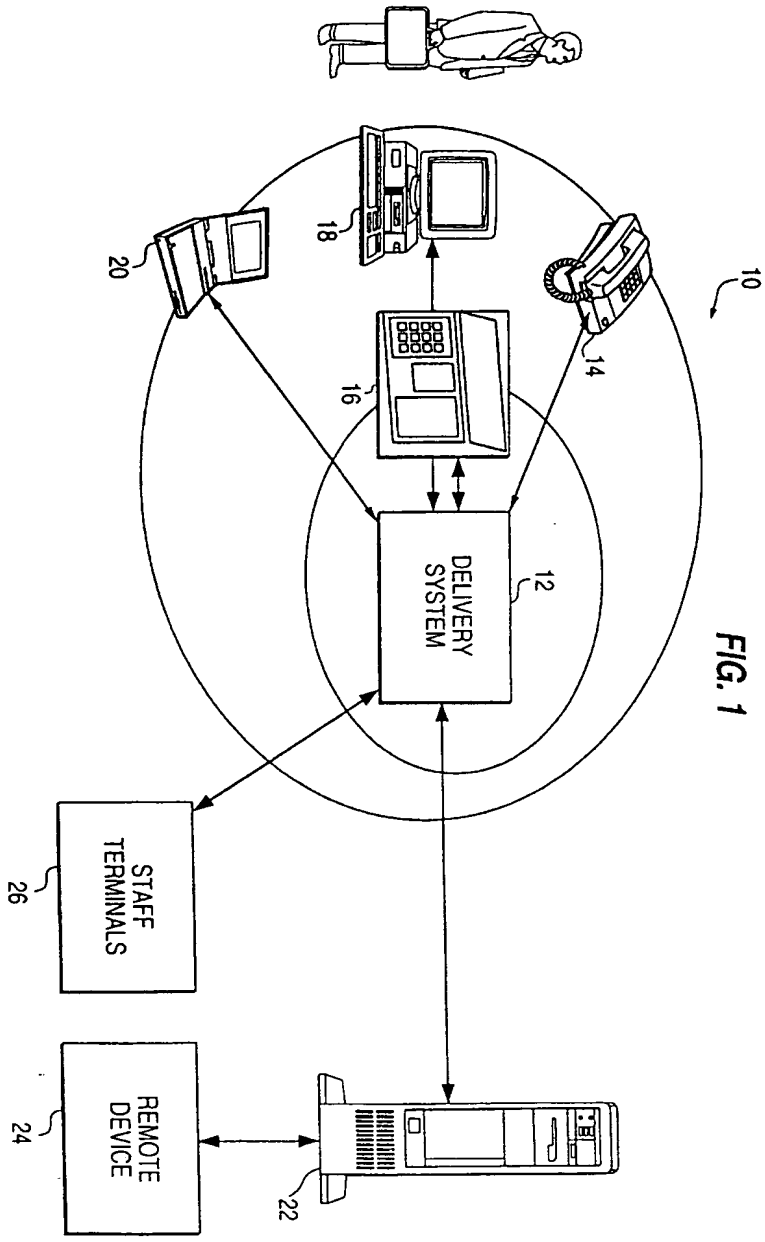


FIG. 1

09742422 - 092700

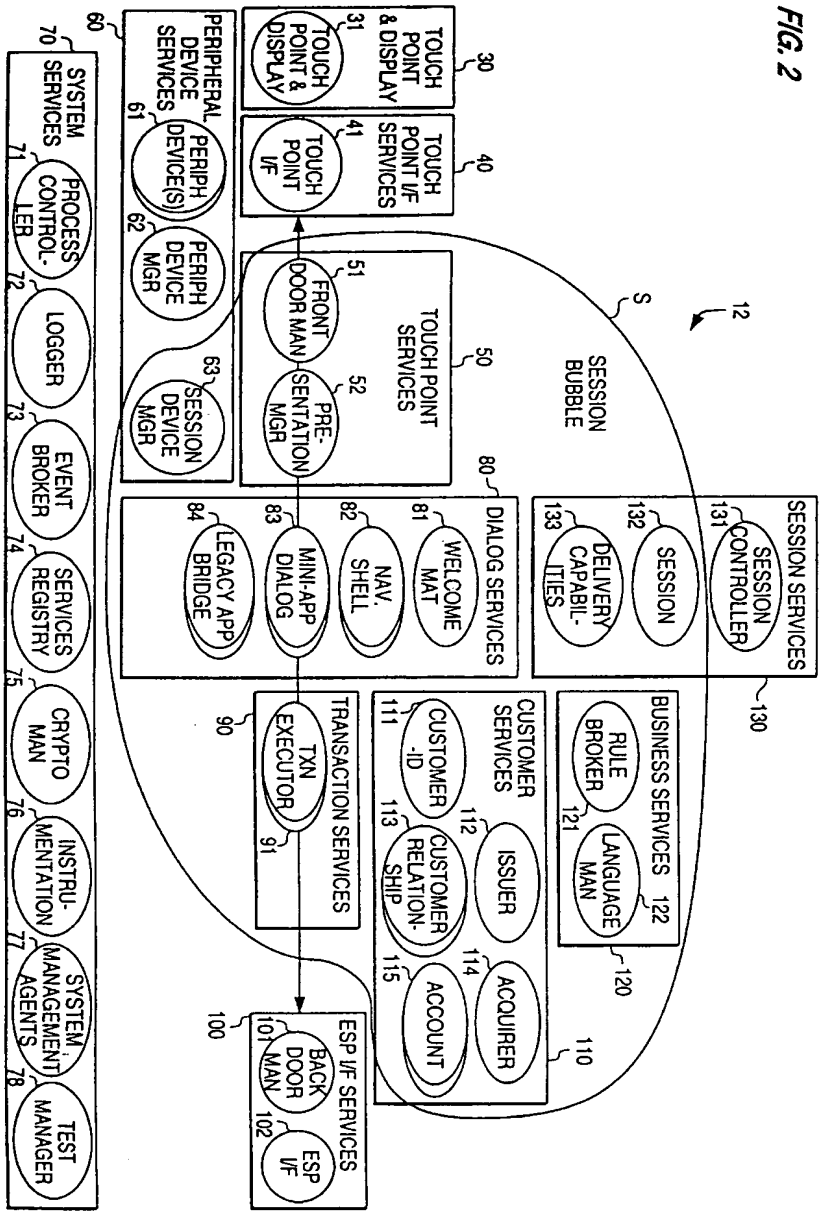
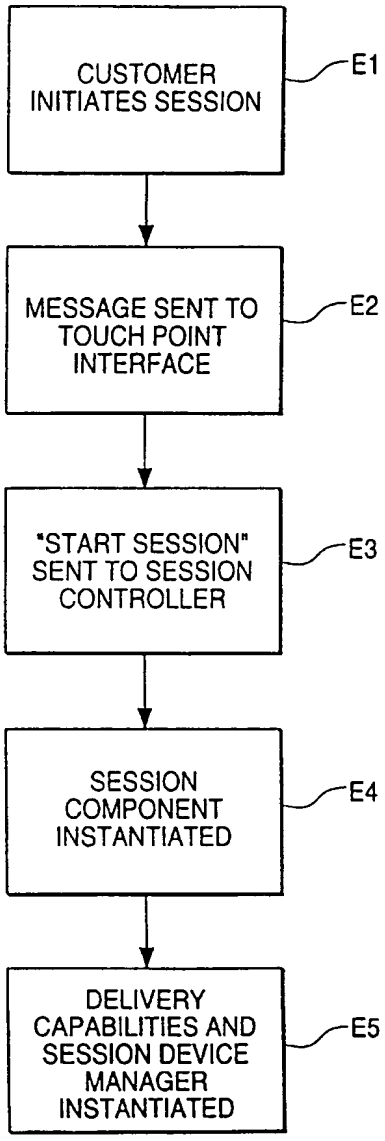


FIG. 2

09/744,405 - 05/07/09

FIG. 3A



09674525 - 062706

FIG. 3B

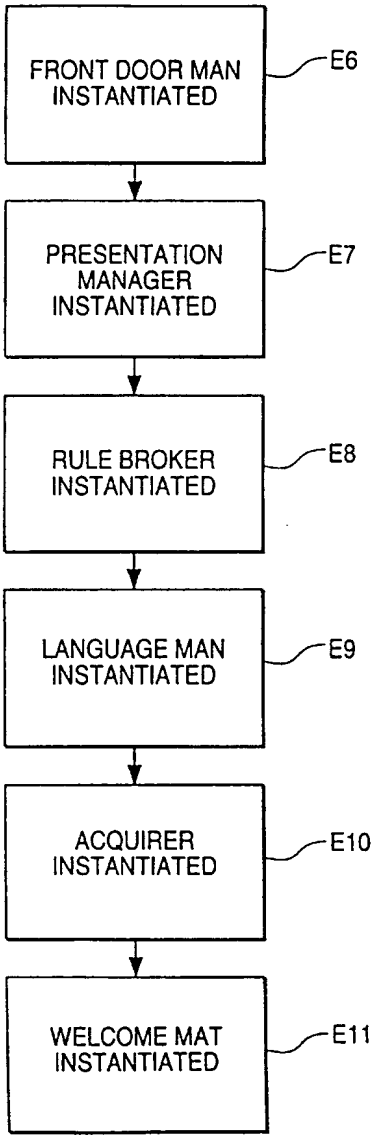
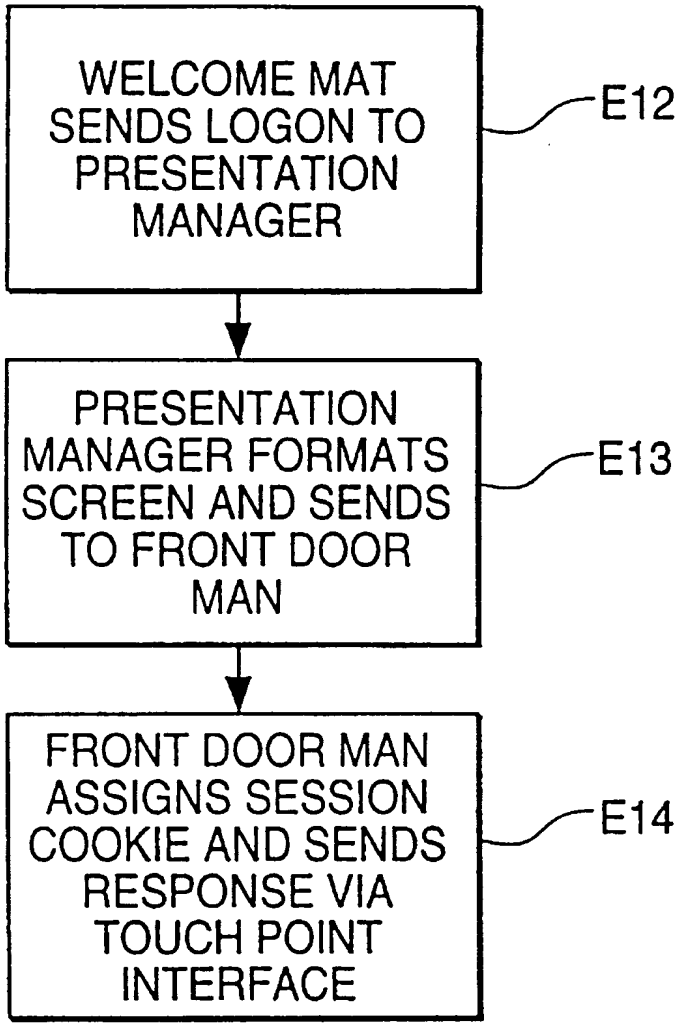

FRONT DOOR MAN INSTANTIATED
E6
PRESENTATION MANAGER INSTANTIATED
E7
RULE BROKER INSTANTIATED
E8
LANGUAGE MAN INSTANTIATED
E9
ACQUIRER INSTANTIATED
E10
WELCOME MAT INSTANTIATED
E11

FIG. 3C



09674225.092900

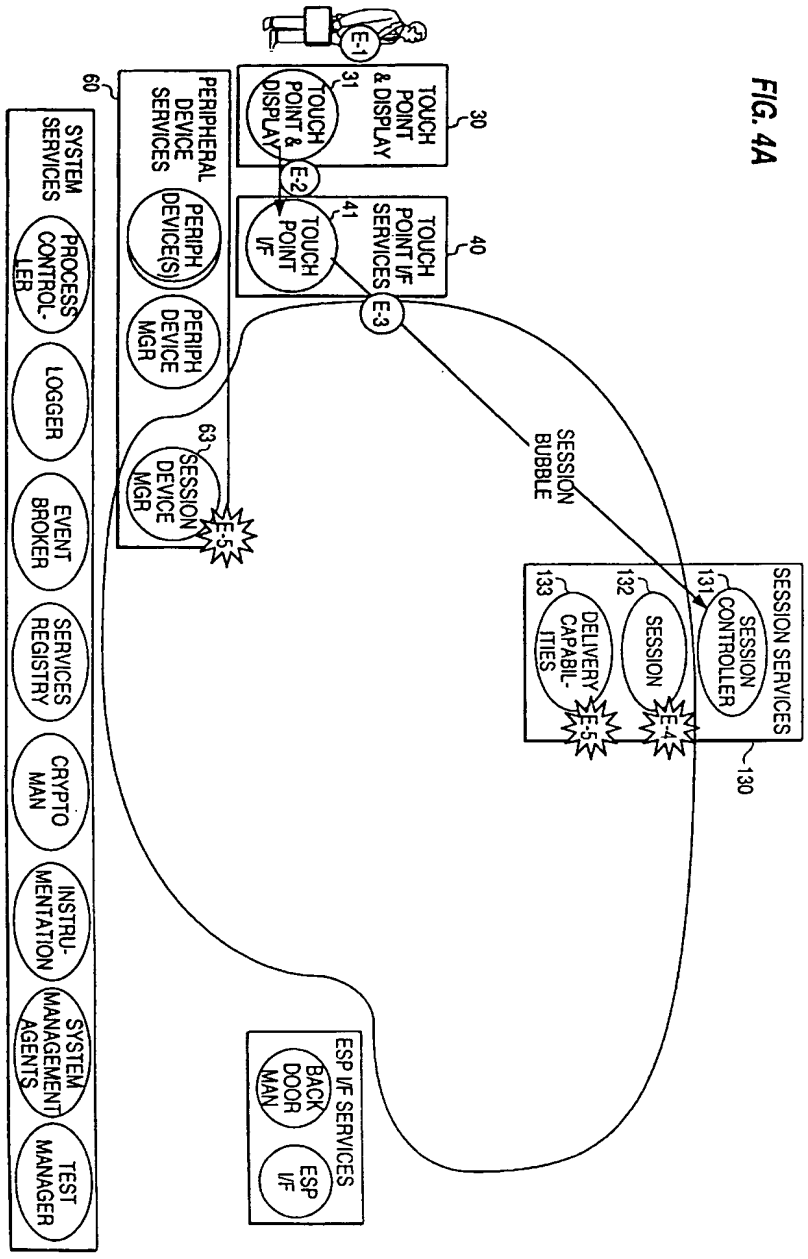
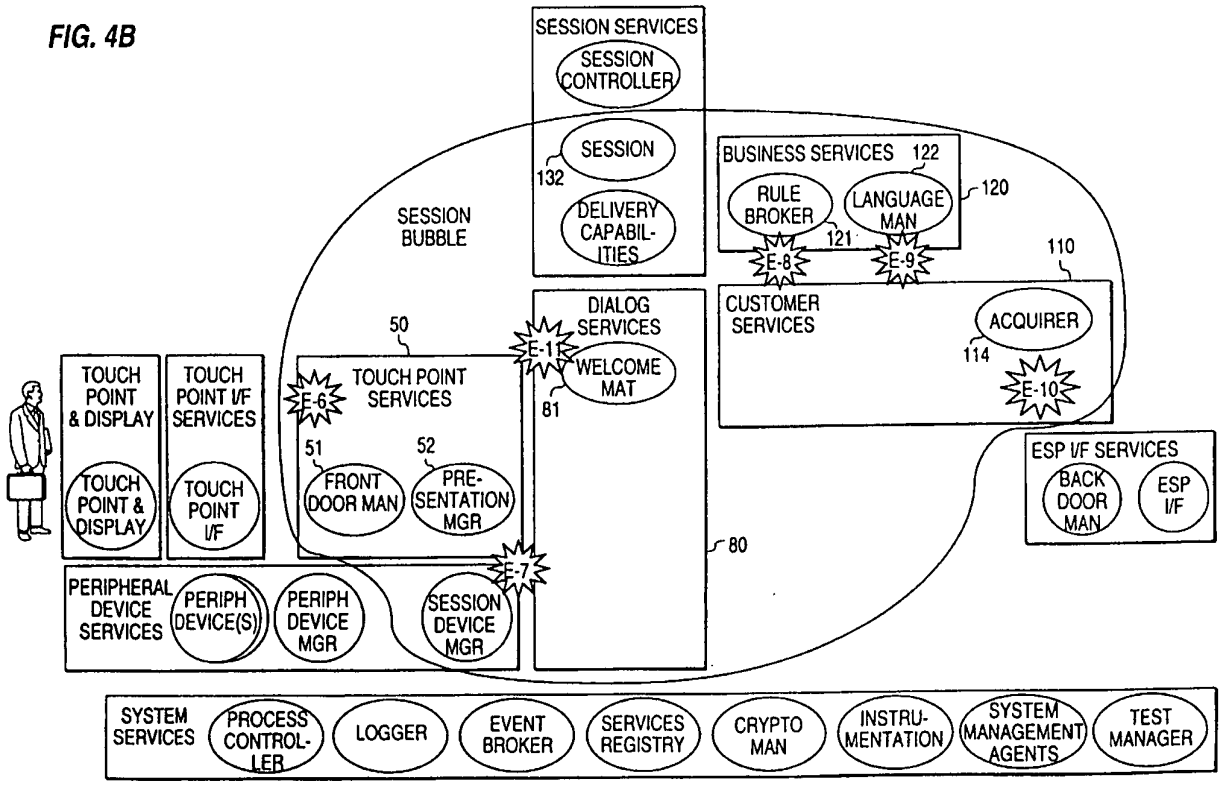


FIG. 4A

09/744,450 - 09/30/00

EXPRESS MAIL NO. EL 783697

FIG. 4B



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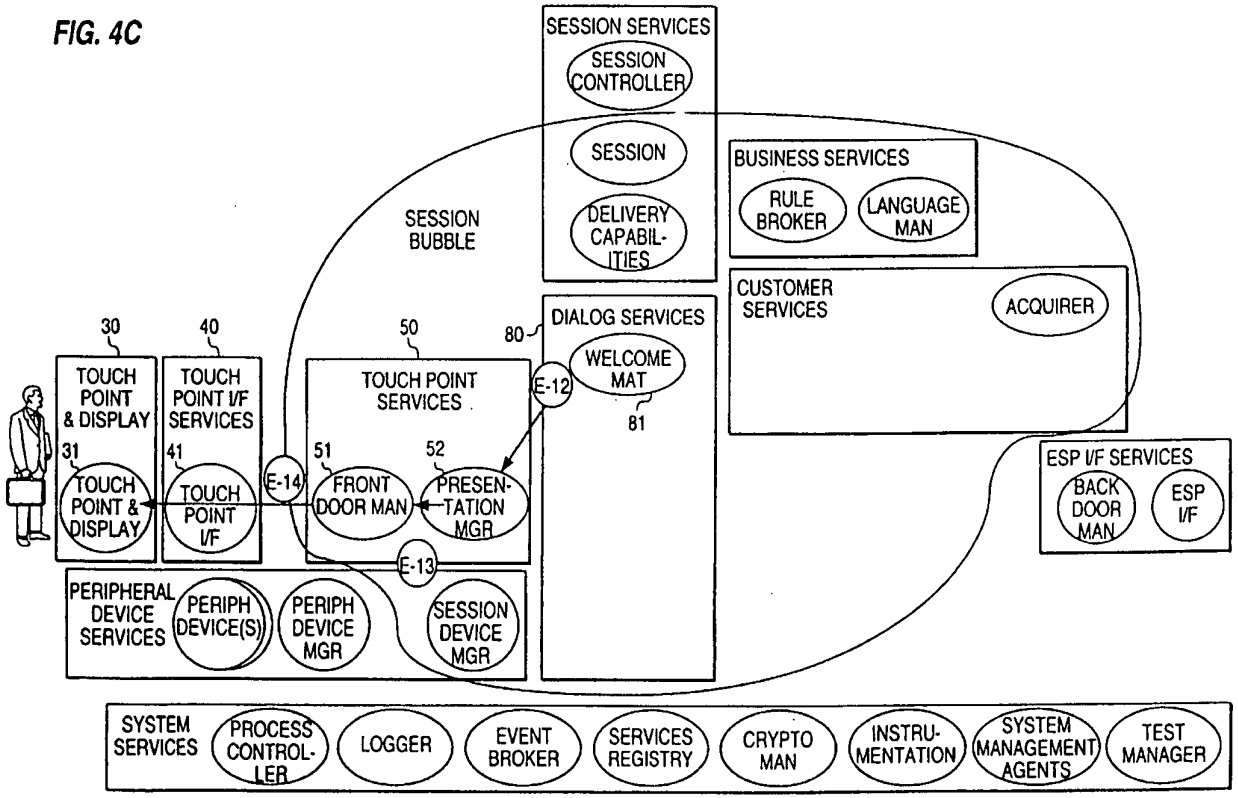
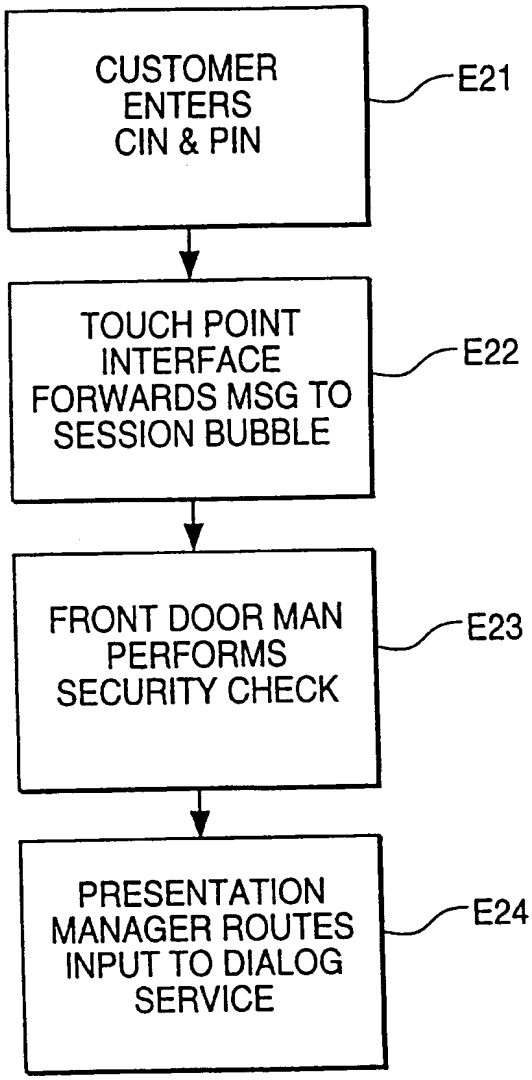
EXPRESS MAIL -507836397

FIG. 4C



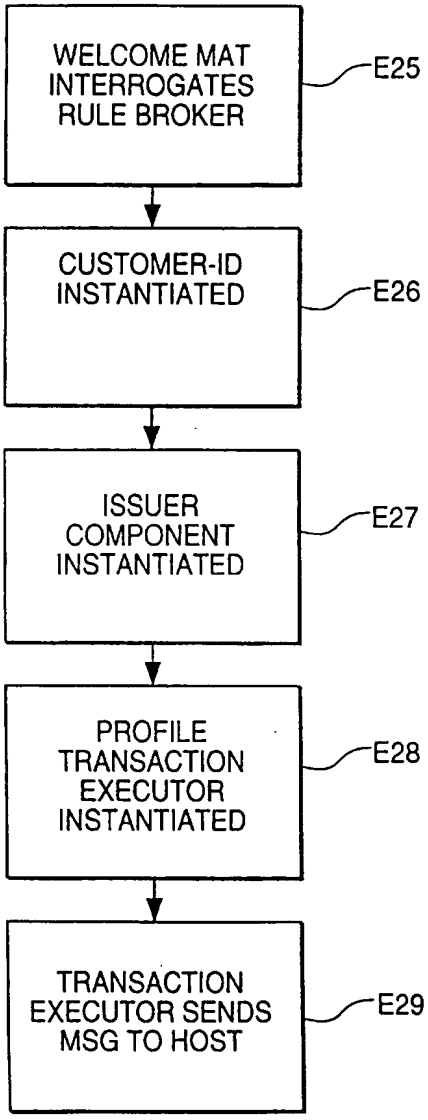
09671482 .092700

FIG. 5A



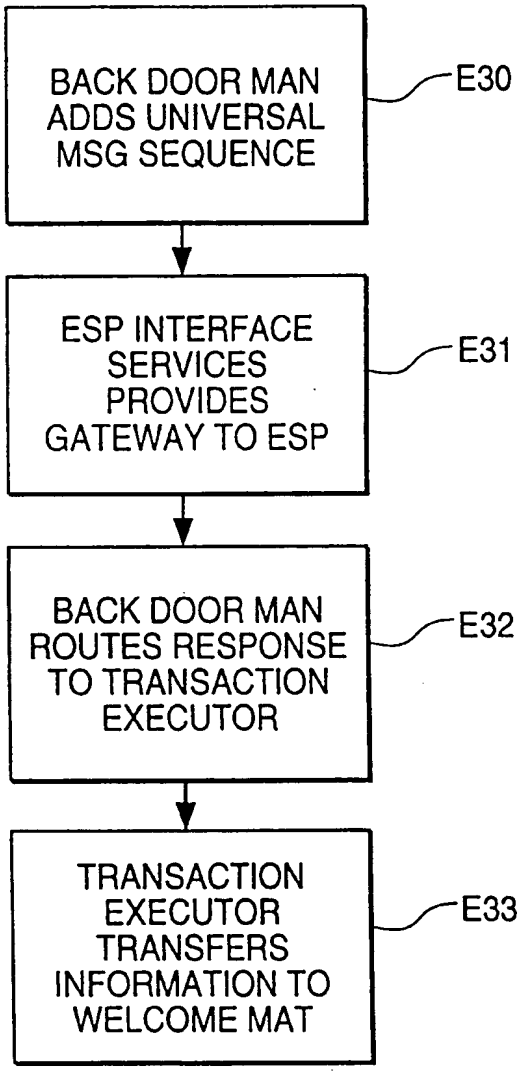
09674520 "090200

FIG. 5B



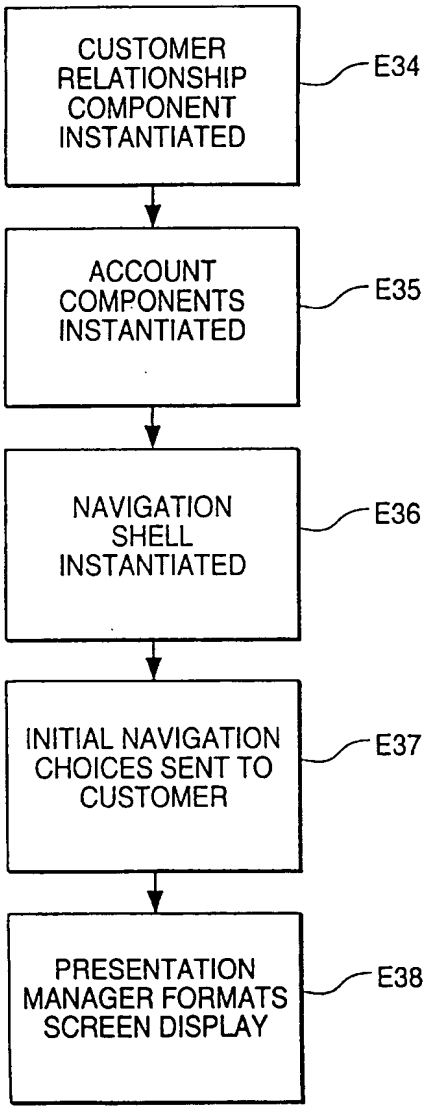
09/760,254 - 07/13/96

FIG. 5C



0960745220 "09609700

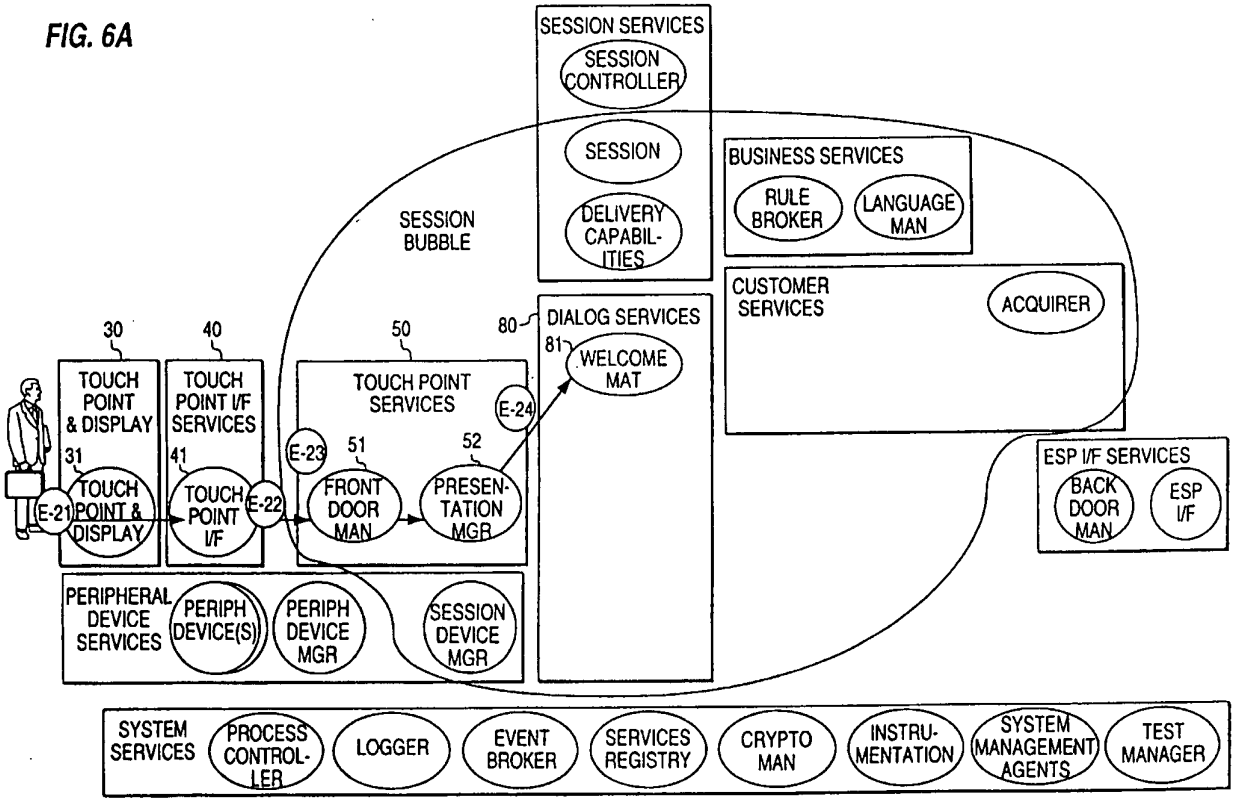
FIG. 5D



0697452 - 060700

EXPRESS MAIL NO. - 507836397

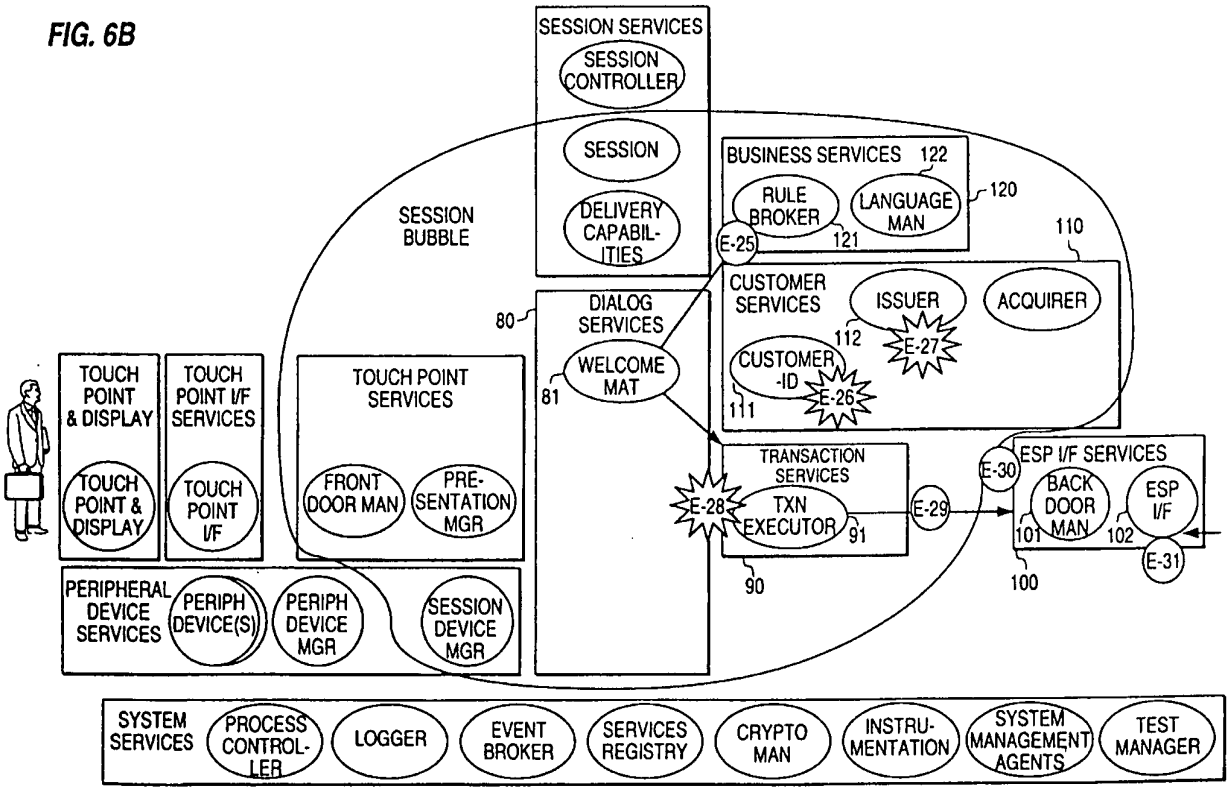
FIG. 6A



09671422.092700

EXPRESS MAIL NO. EL 507836397

FIG. 6B



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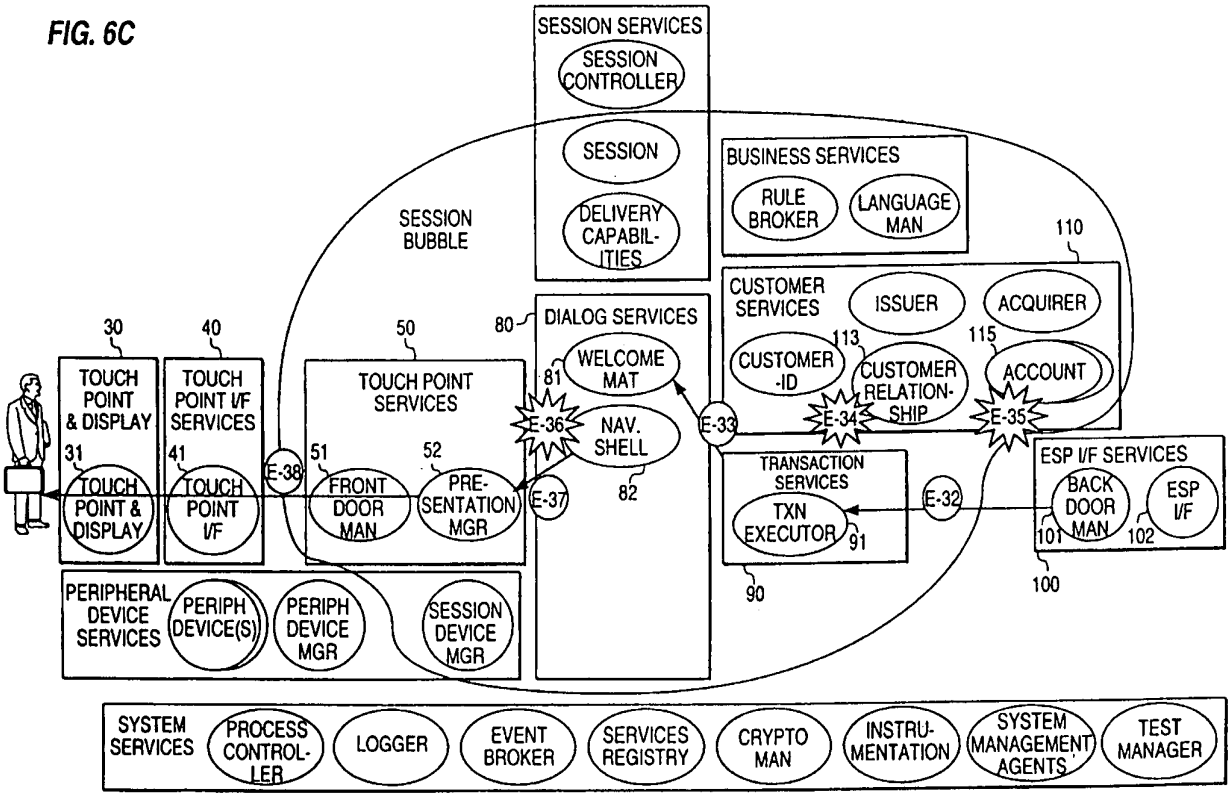
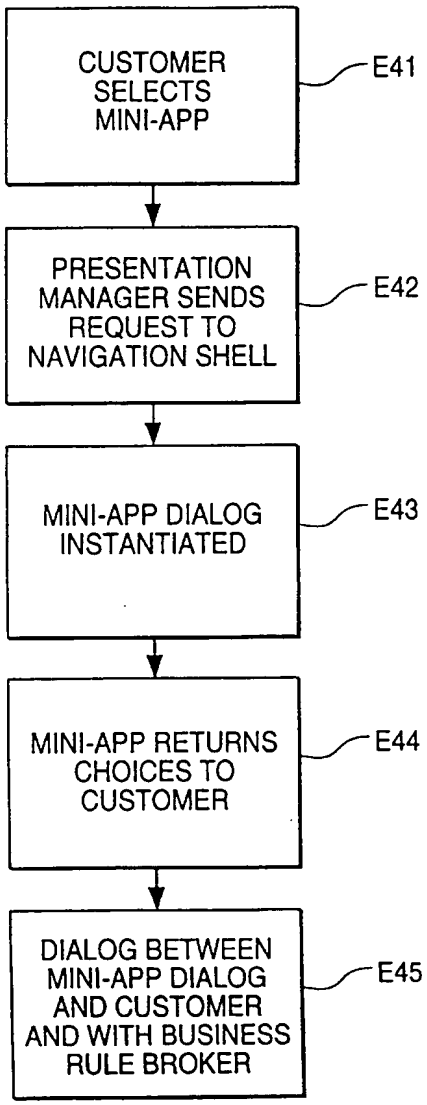
EXPRESS MAIL NO. EL 507836397

FIG. 6C



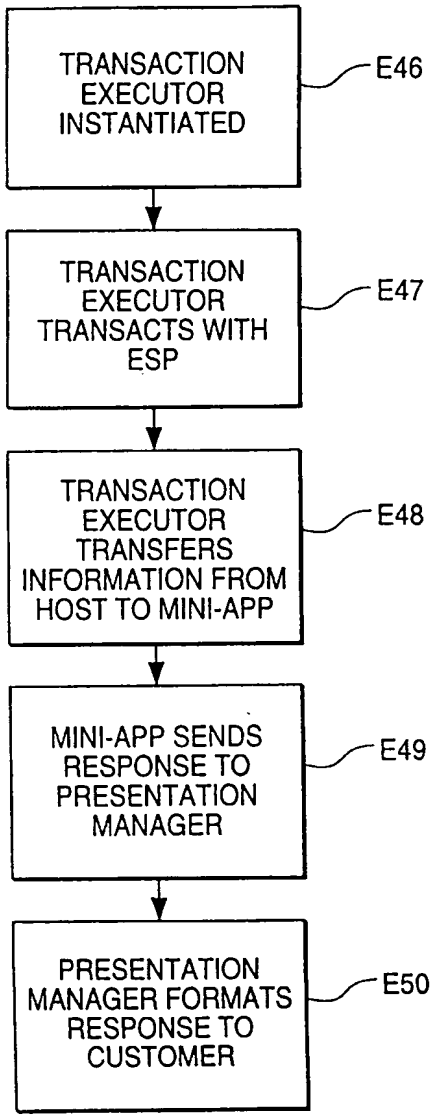
09671422.092700

FIG. 7A



09/745,200 - 09/27/00

FIG. 7B



09/454,052 - 06/02/00

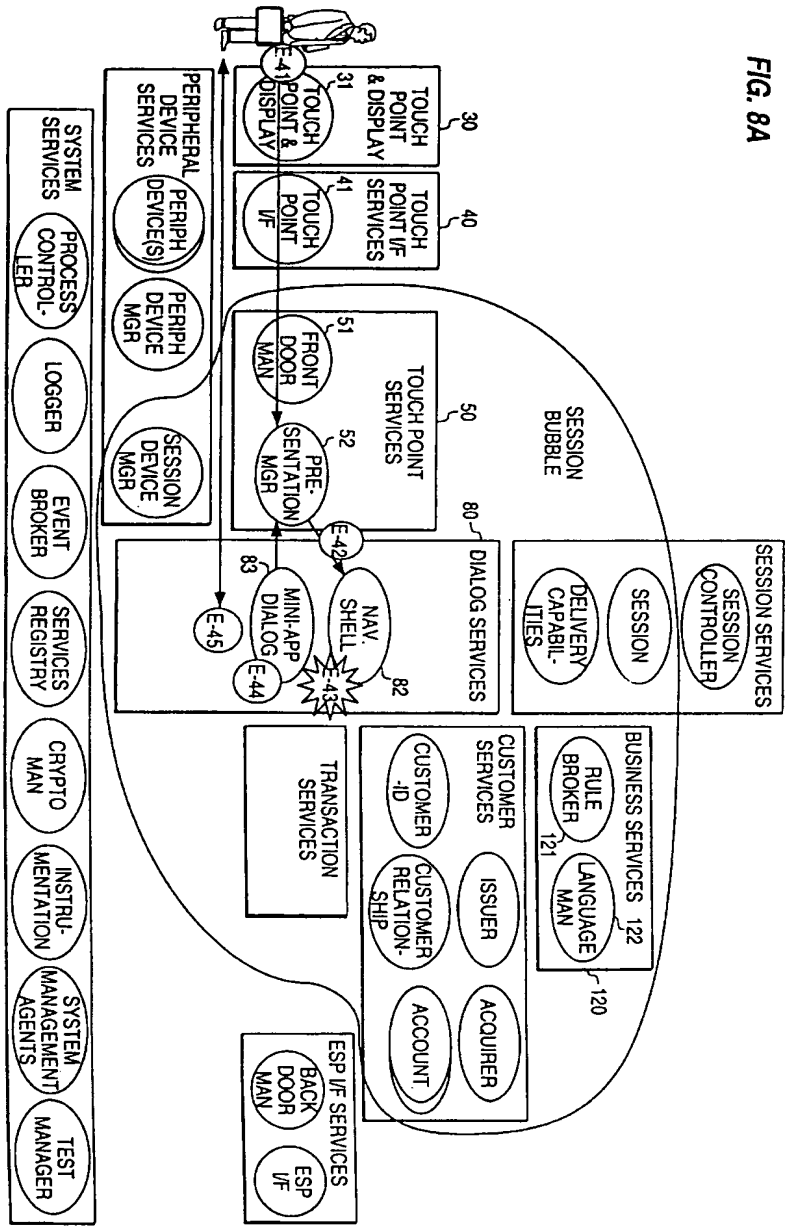
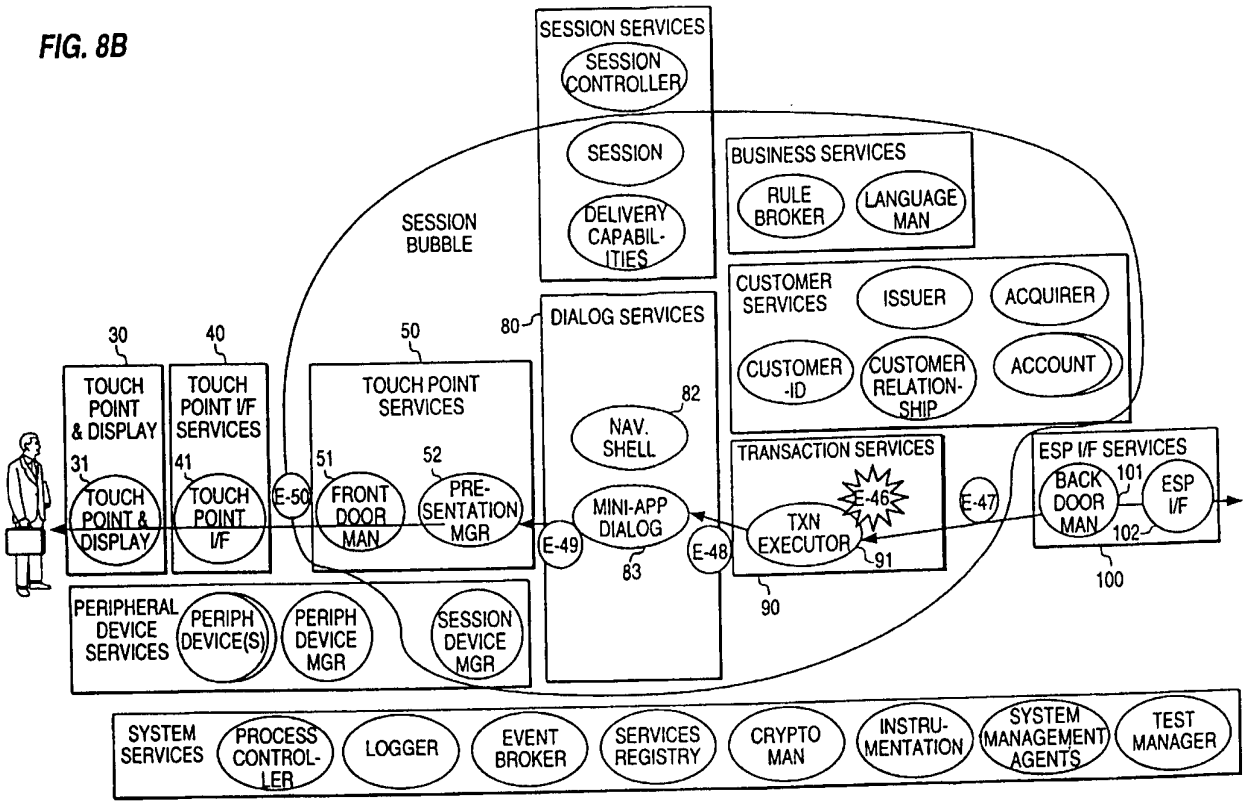


FIG. 8A

0967452 "05270

EXPRESS MAIL NO. -5078363397

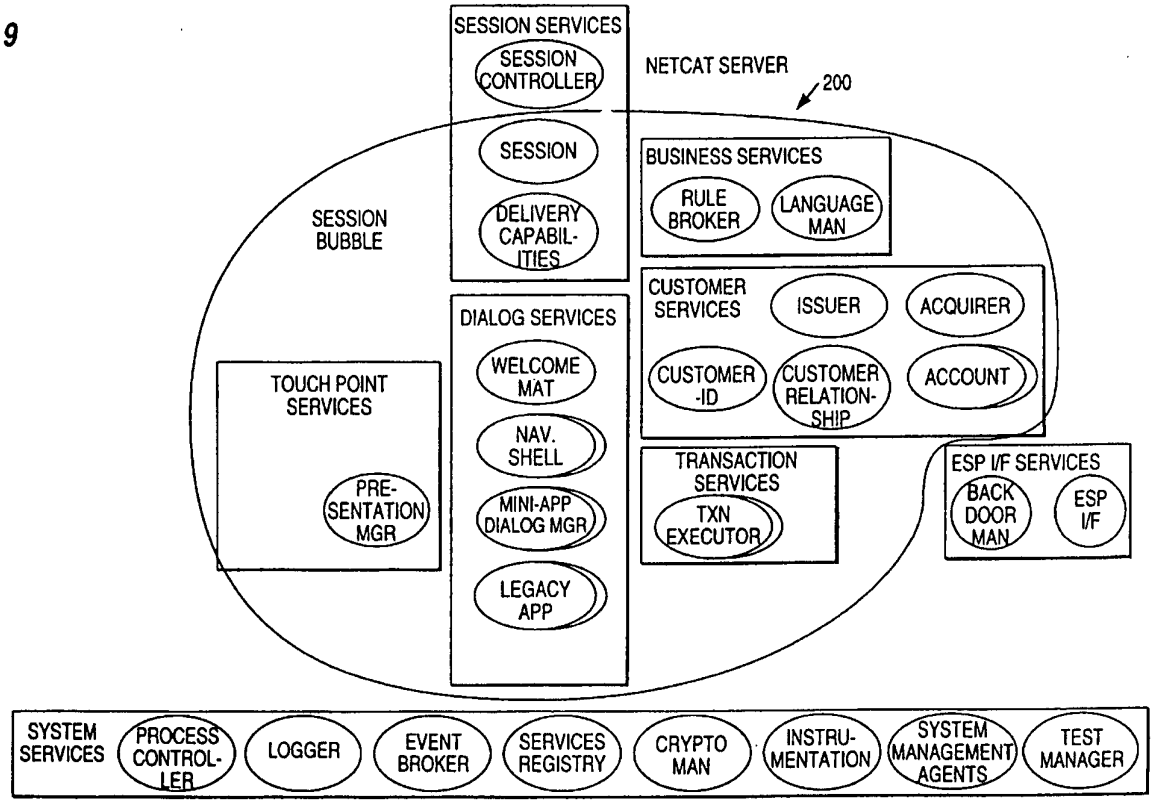
FIG. 8B



09671422.092700

EXPRESS MAIL NO. - 507836397

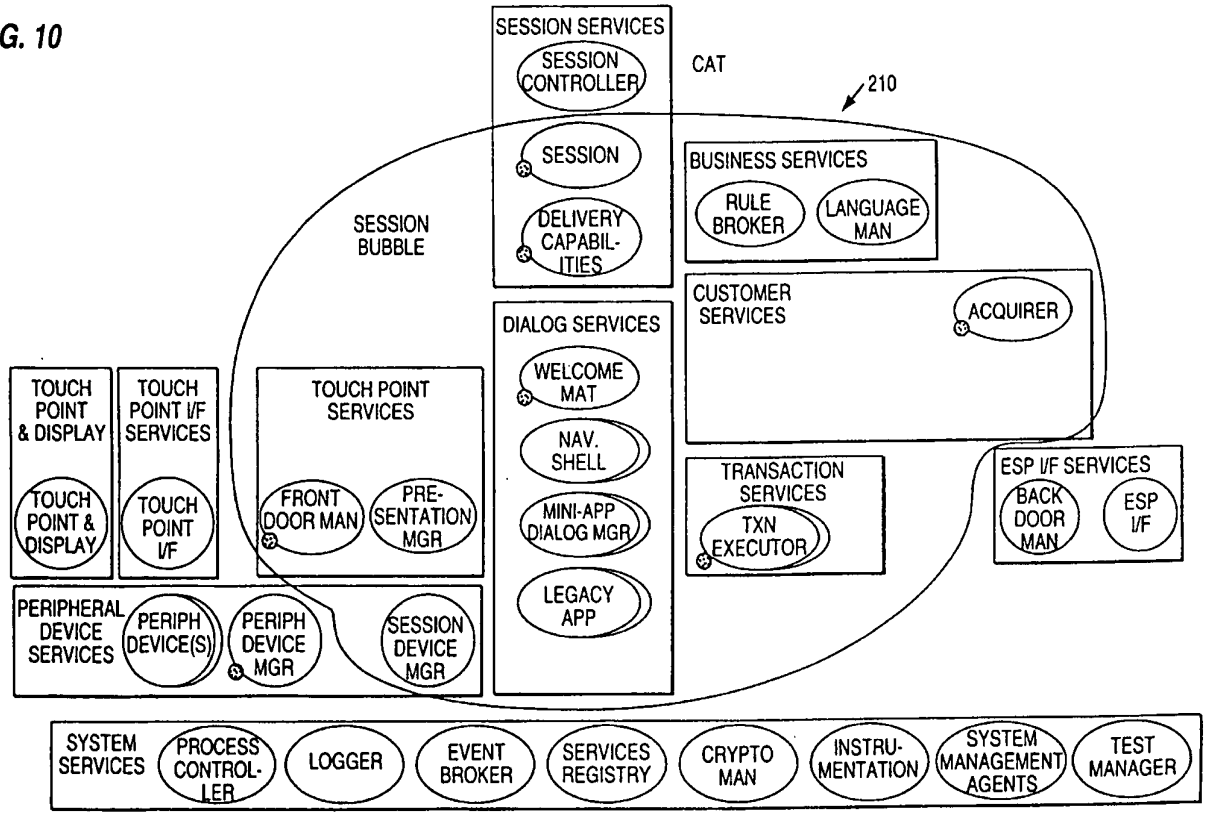
FIG. 9



09671422.092700

EXPRESS MAIL NO. EV 078363397

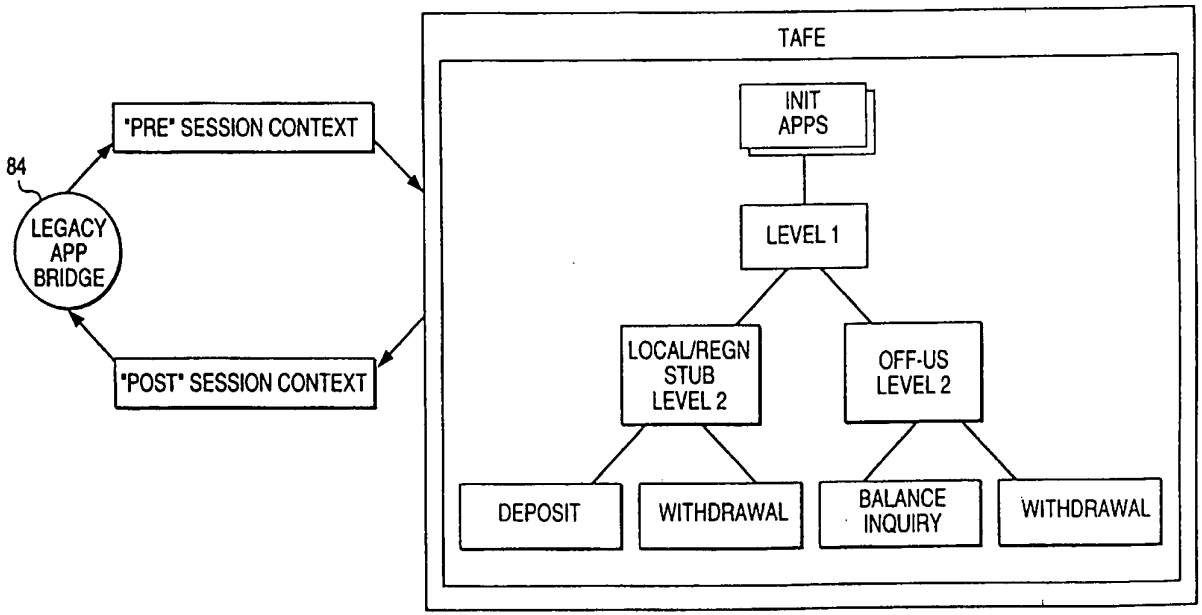
FIG. 10



09671422 .092700

EXPRESS MAIL NO. - 507836397

FIG. 11



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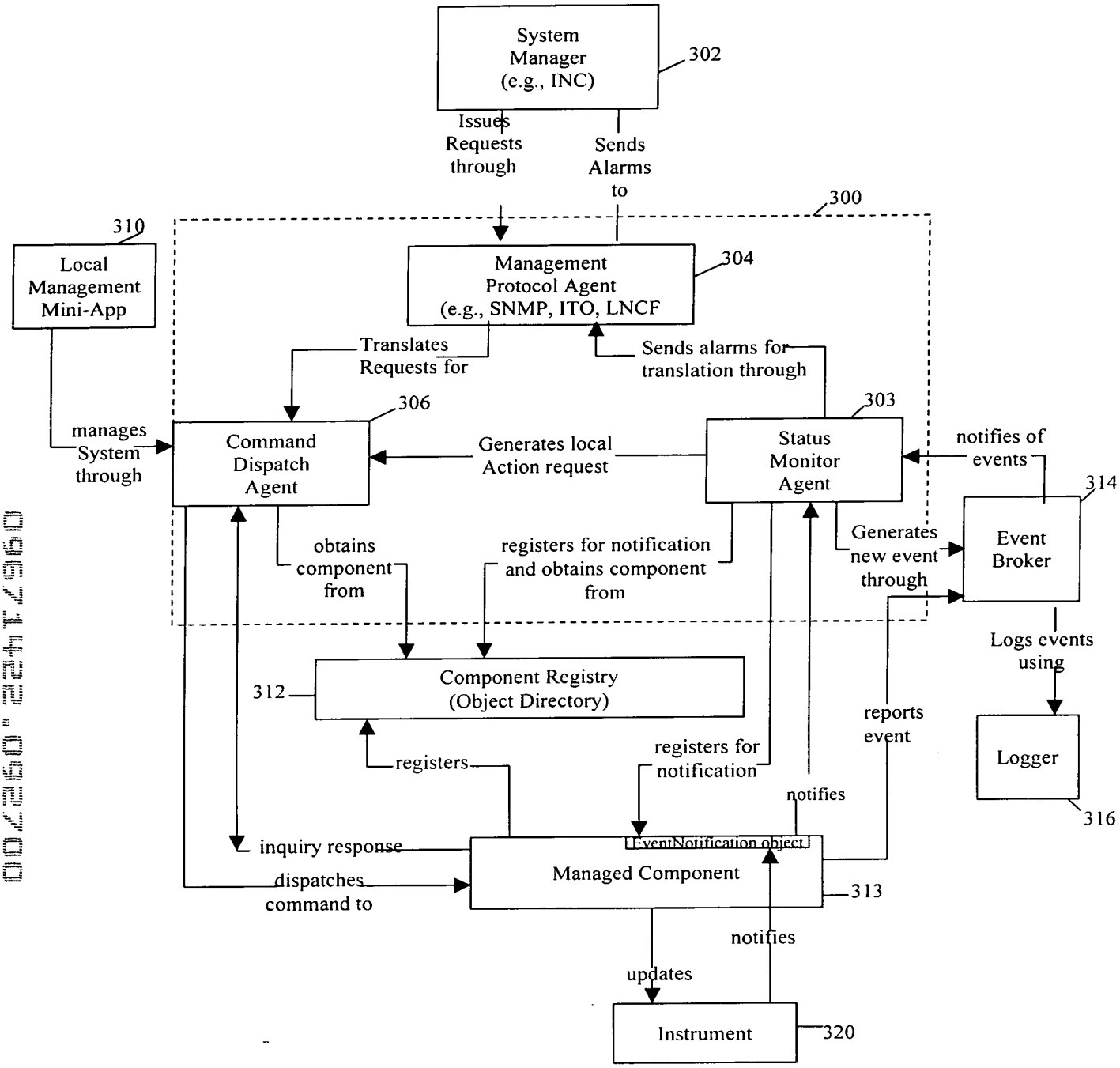
System Manager (e.g., INC)
302
Issues Requests through
Sends Alarms to
300
310
Local Management Mini-App
Management Protocol Agent (e.g., SNMP, ITO, LNCF
304
Translates Requests for
Sends alarms for translation through
306
303
manages System through
Command Dispatch Agent
Generates local Action request
Status Monitor Agent
notifies of events
314
Event Broker
Generates new event through
obtains component from
registers for notification and obtains component from
Logs events using
Component Registry (Object Directory)
312
reports event
Logger
316
registers
registers for notification
notifies
inquiry response
EventNotification object
dispatches command to
Managed Component
313
notifies
updates
Instrument
320

FIG. 12

EXPRESS MAIL NO. - 507836397

System Manager Command Processing

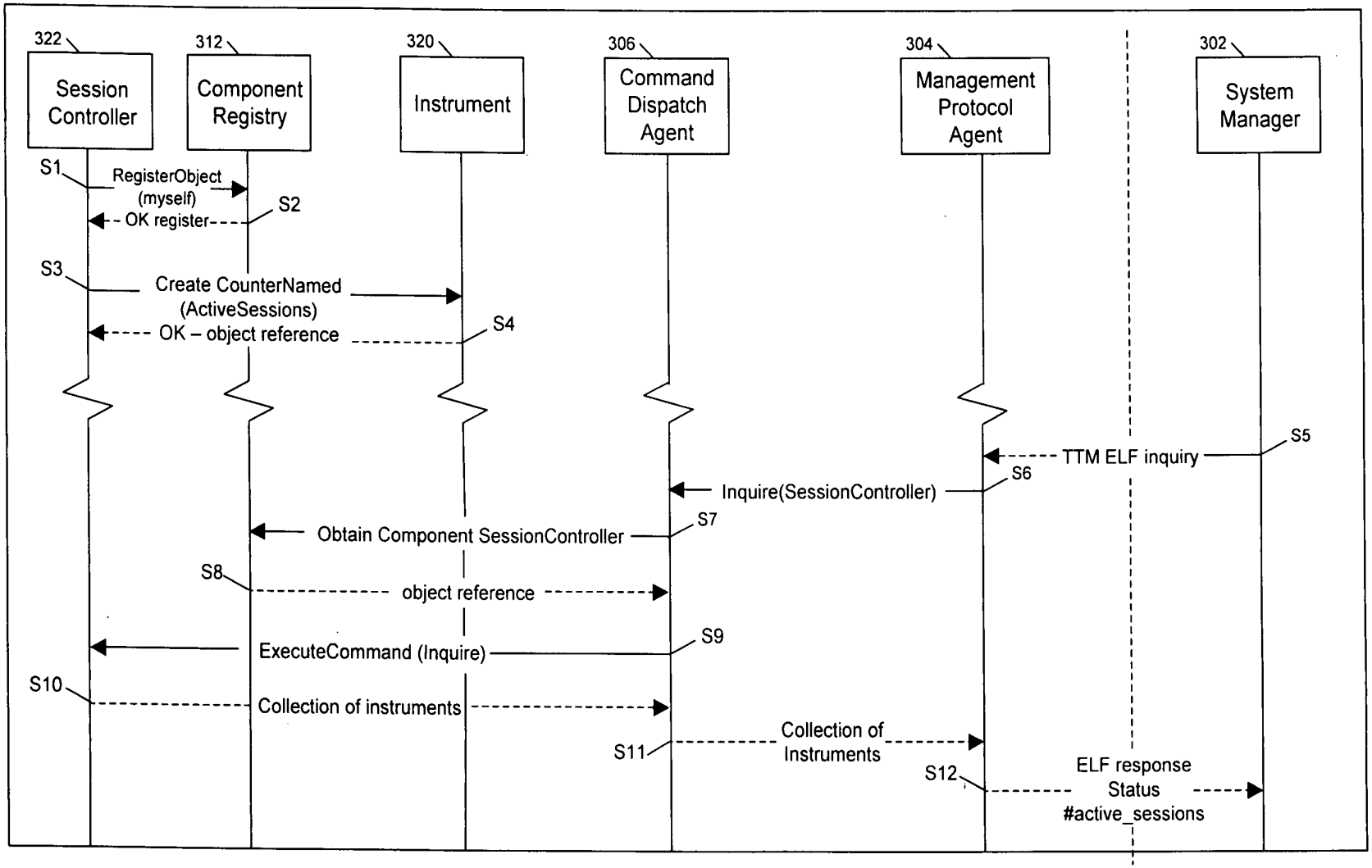

FIG. 13

09671422.092700

EXPRESS MAIL NO. EV 507836397

System Manager Command Processing

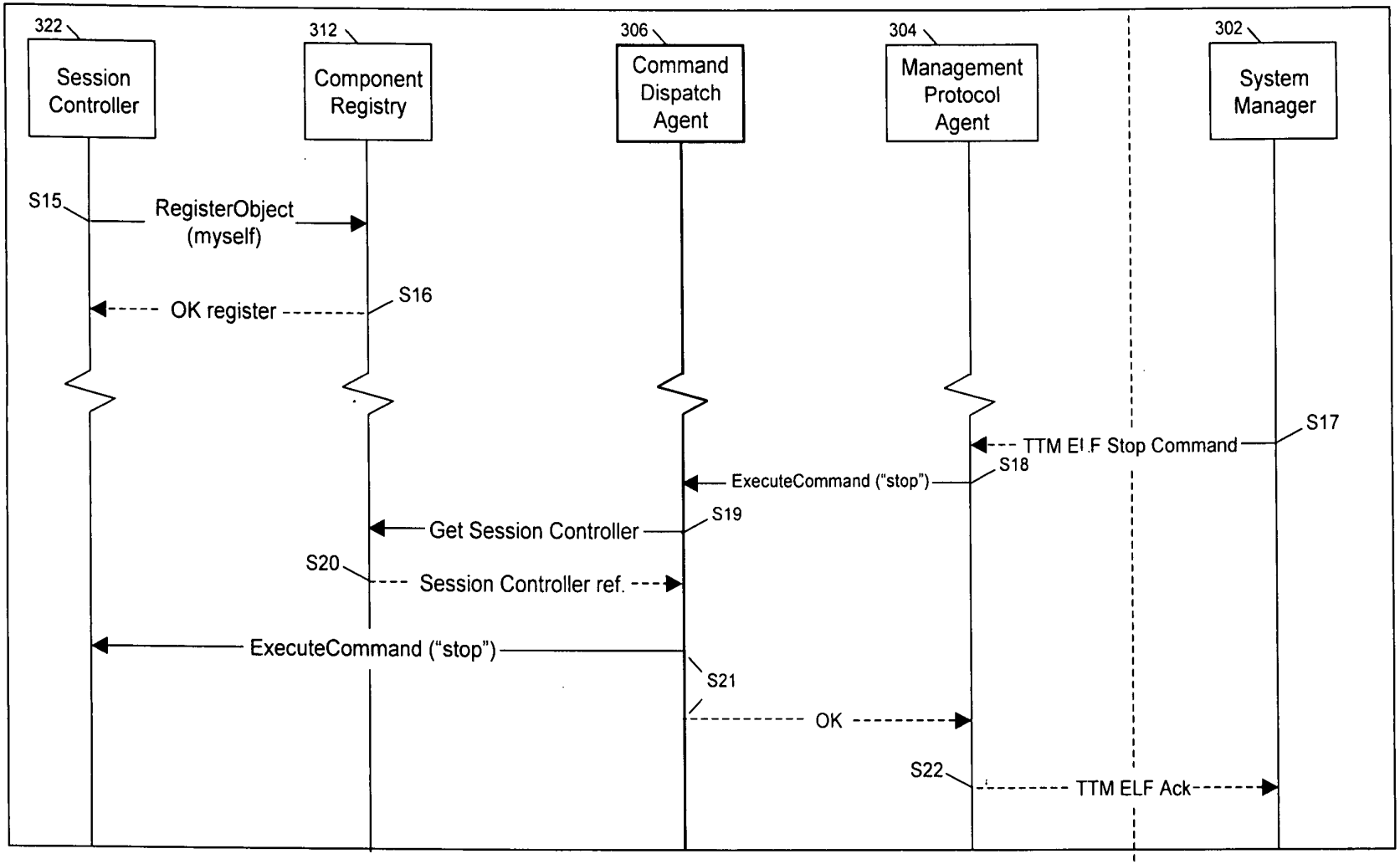

FIG. 14

09671422.092700

EXPRESS MAIL NO. -507836397

Cash Status Event Processing

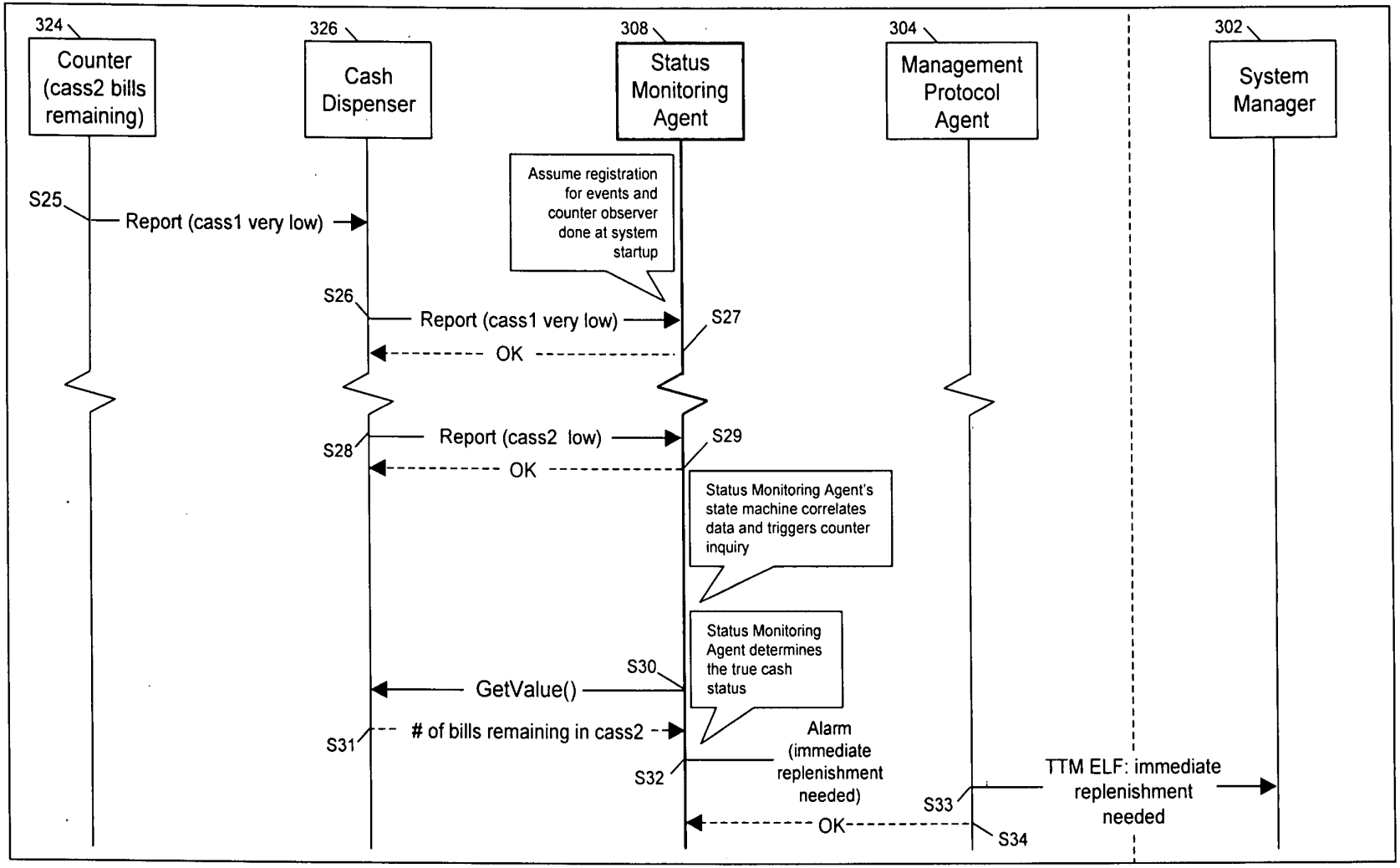

FIG. 15

09671422 .092700

EXPRESS MAIL NO. 507836397

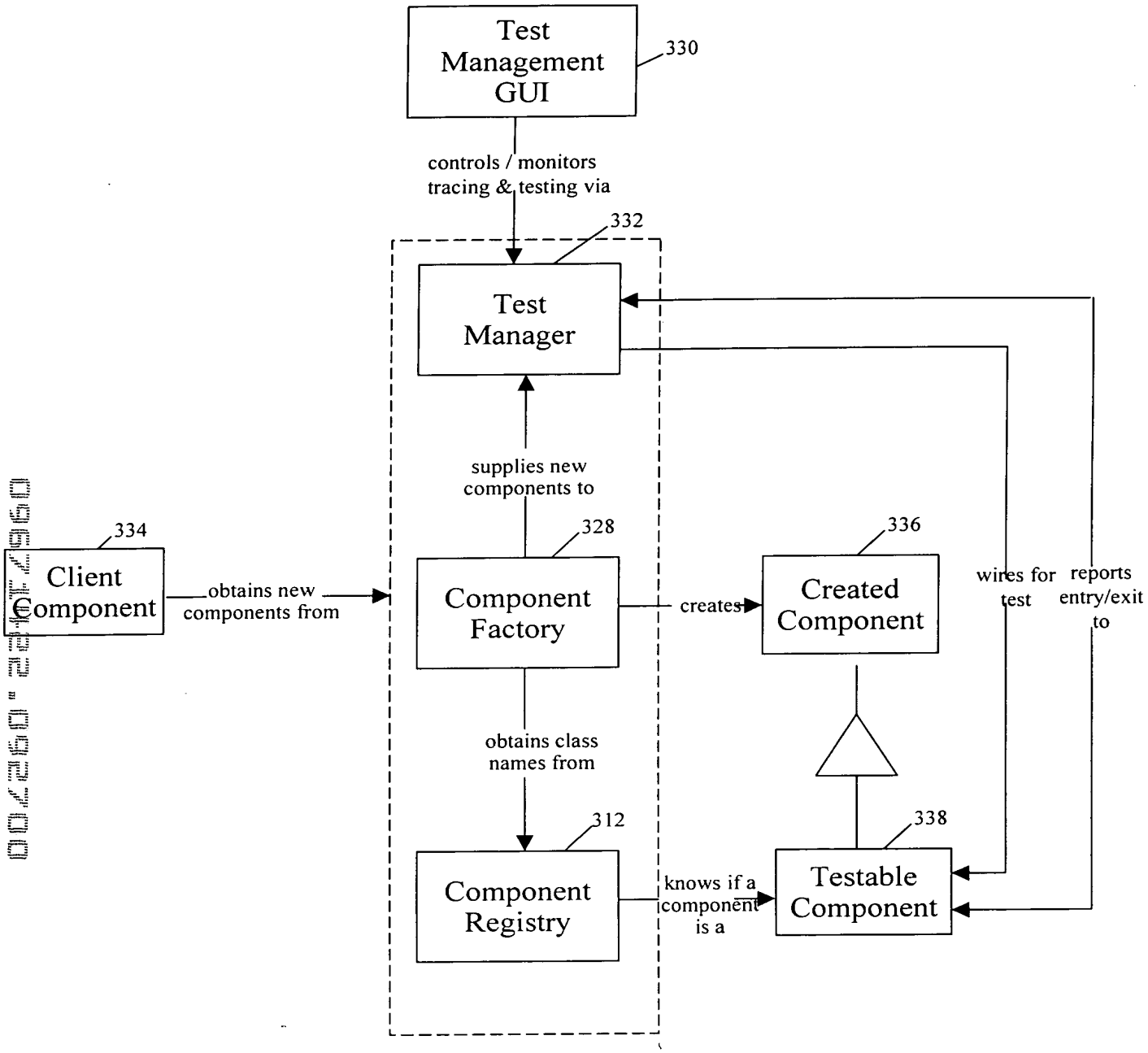

FIG. 16

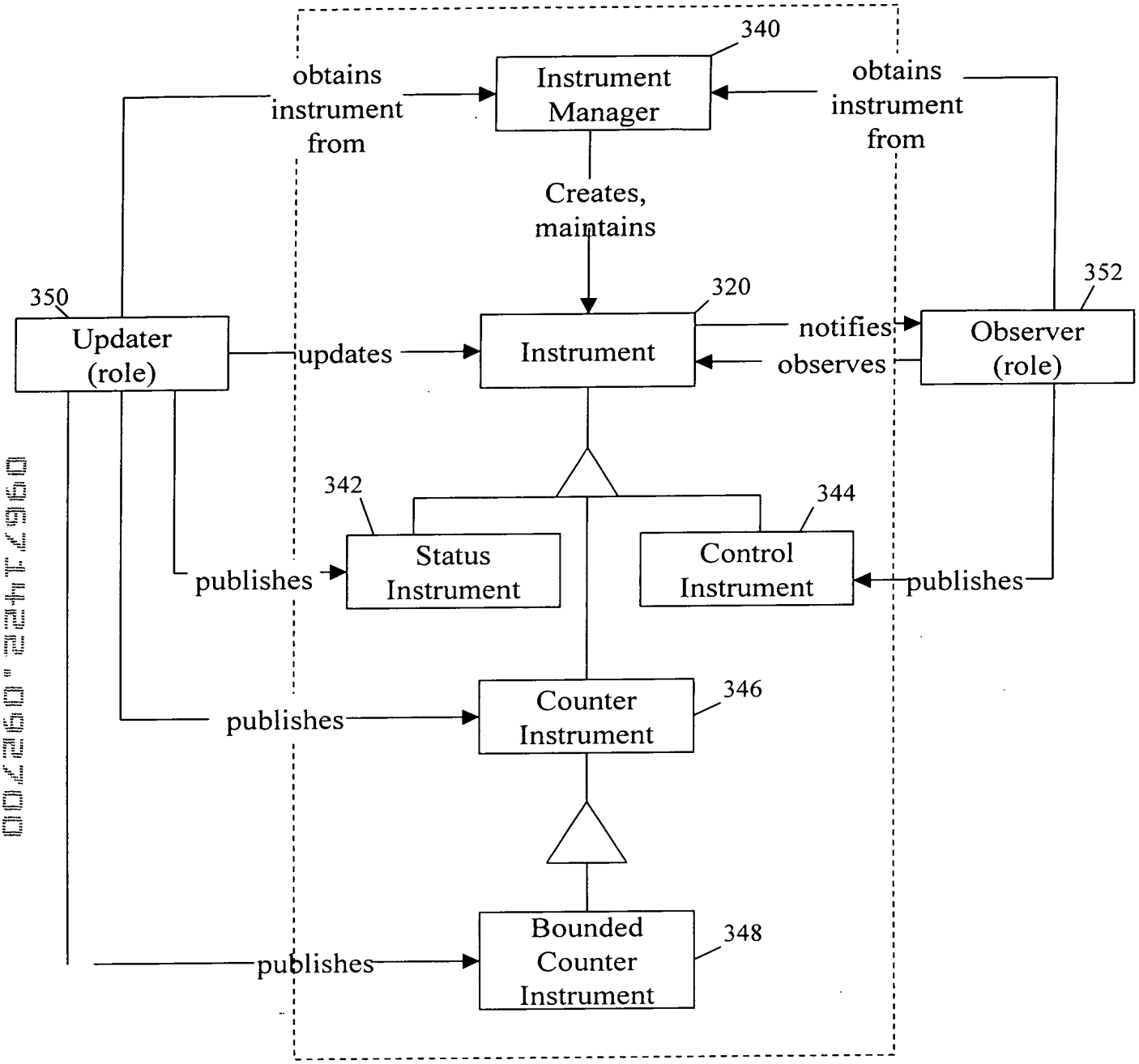
340
Instrument Manager
obtains instrument from
obtains instrument from
Creates, maintains
350
Updater (role)
updates
320
Instrument
notifies
observes
352
Observer (role)
342
Status Instrument
344
Control Instrument
publishes
publishes
346
Counter Instrument
publishes
Bounded Counter Instrument
348

FIG. 17

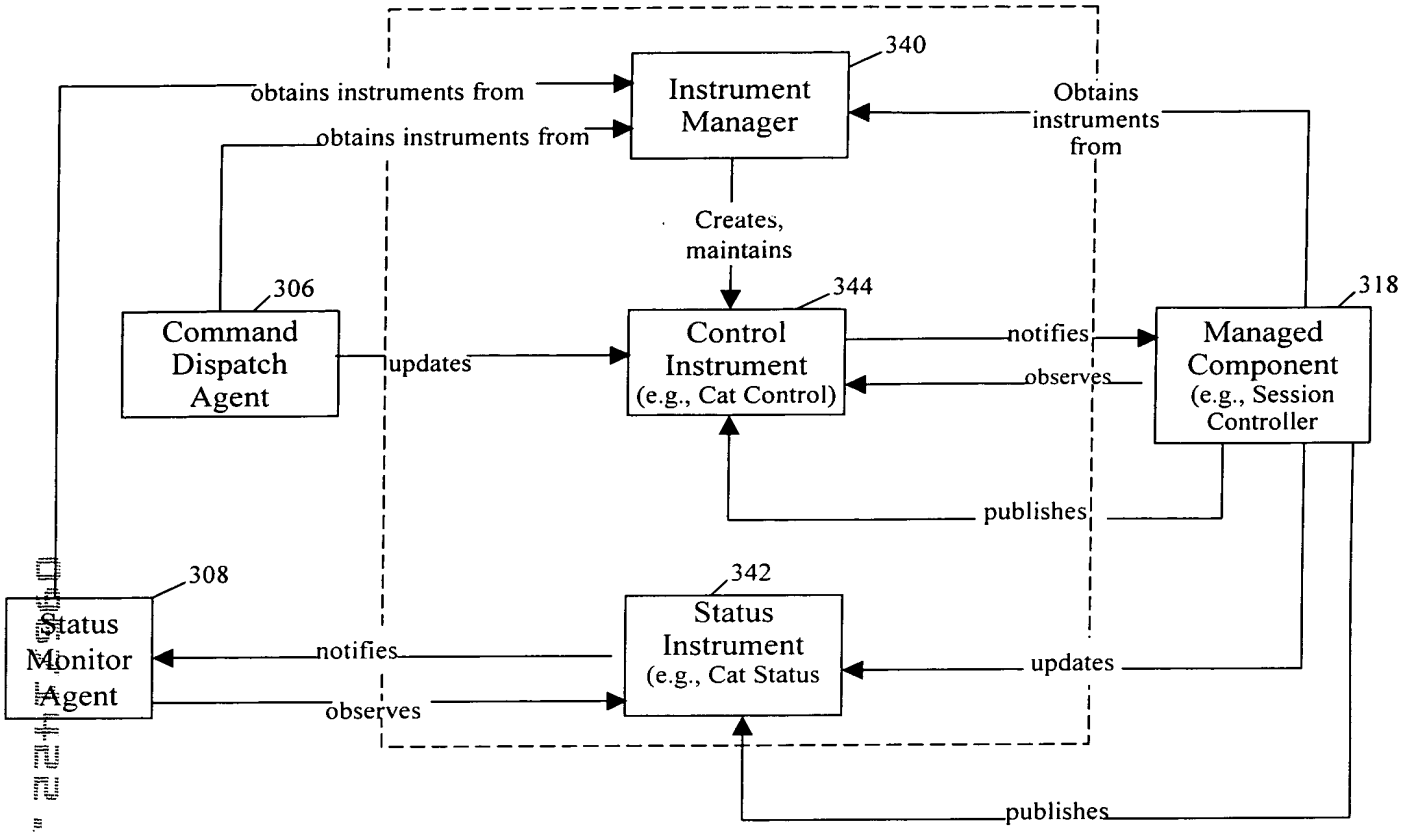
340
Instrument Manager
obtains instruments from
obtains instruments from
Obtains instruments from
Creates, maintains
306
Command Dispatch Agent
updates
344
Control Instrument (e.g., Cat Control)
notifies
observes
318
Managed Component (e.g., Session Controller
publishes
308
Status Monitor Agent
notifies
observes
342
Status Instrument (e.g., Cat Status
updates
publishes

FIG. 18

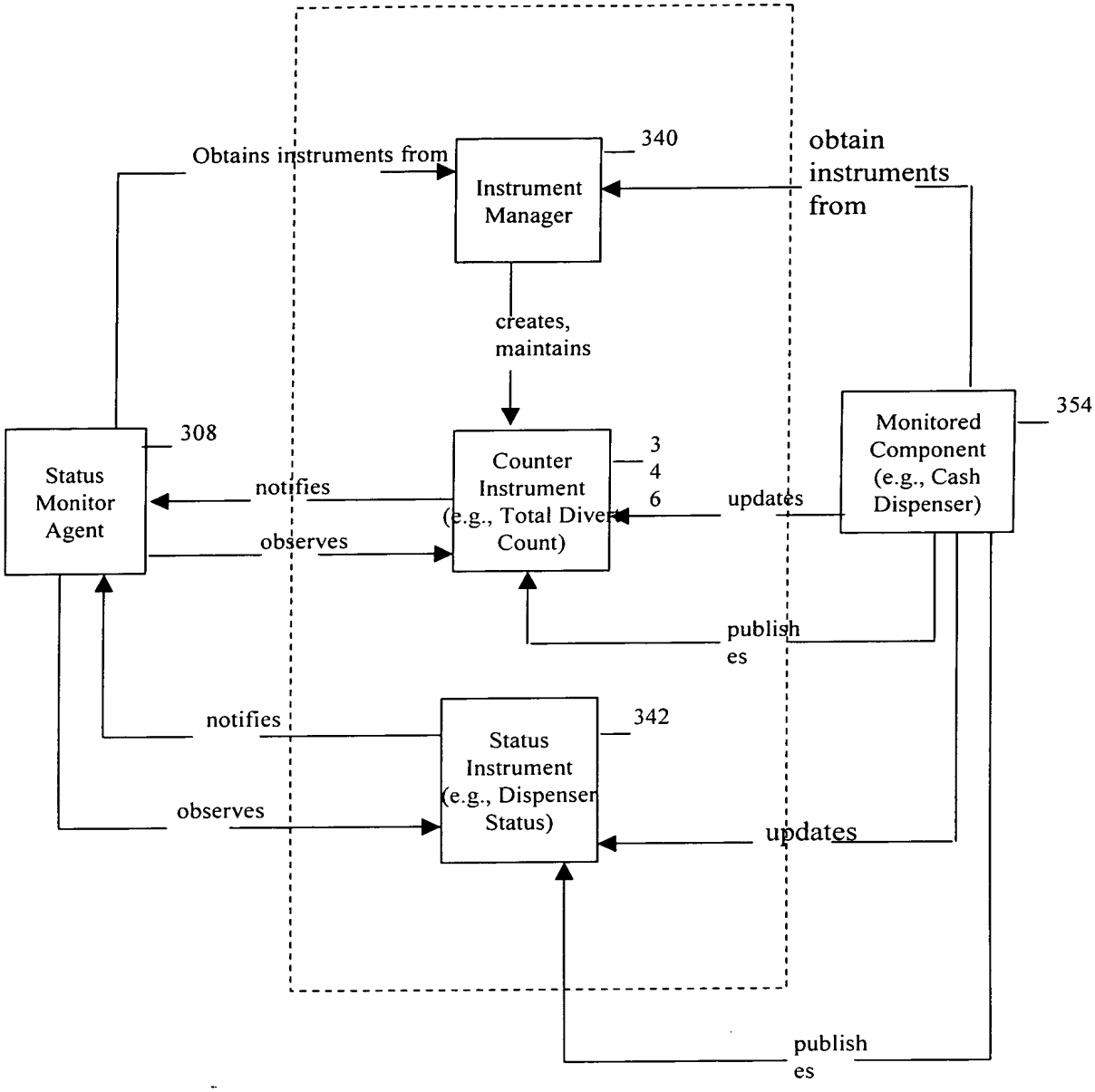
Obtains instruments from
340
Instrument Manager
obtain instruments from
creates, maintains
308
Status Monitor Agent
notifies
observes
Counter Instrument (e.g., Total Dives Count)
3
4
6
updates
Monitored Component (e.g., Cash Dispenser)
354
publish es
notifies
342
Status Instrument (e.g., Dispenser Status)
observes
updates
publish es

FIG. 19

EXPRESS MAIL NO. -507836397

Component Factory Startup

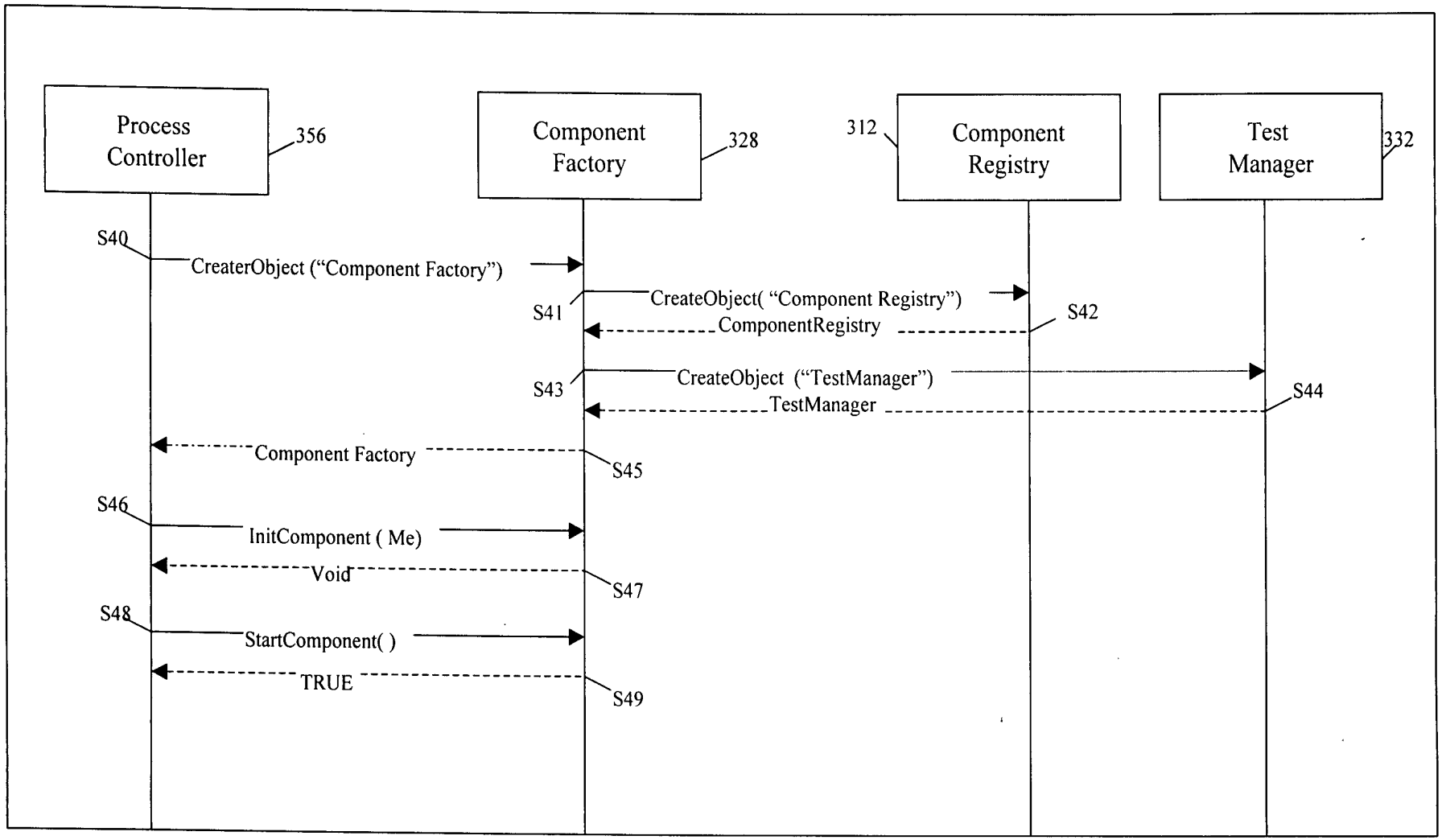

FIG. 20

09671422.092700

EXPRESS MAIL NO. -507836397

Component Factory Startup

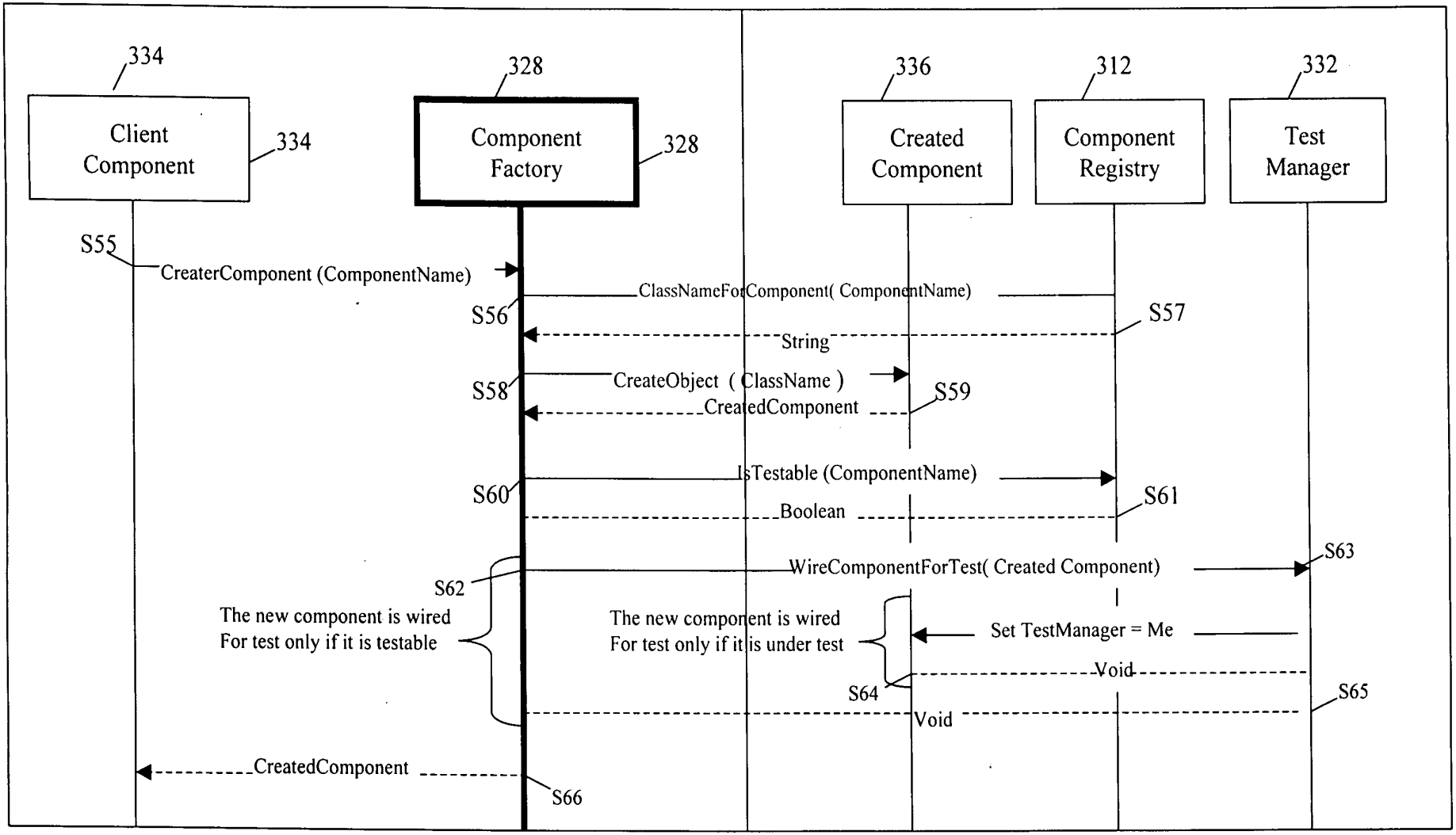

FIG. 21

09671422 .092700

EXPRESS MAIL NO. - 507836397

Instrument Rendezvous

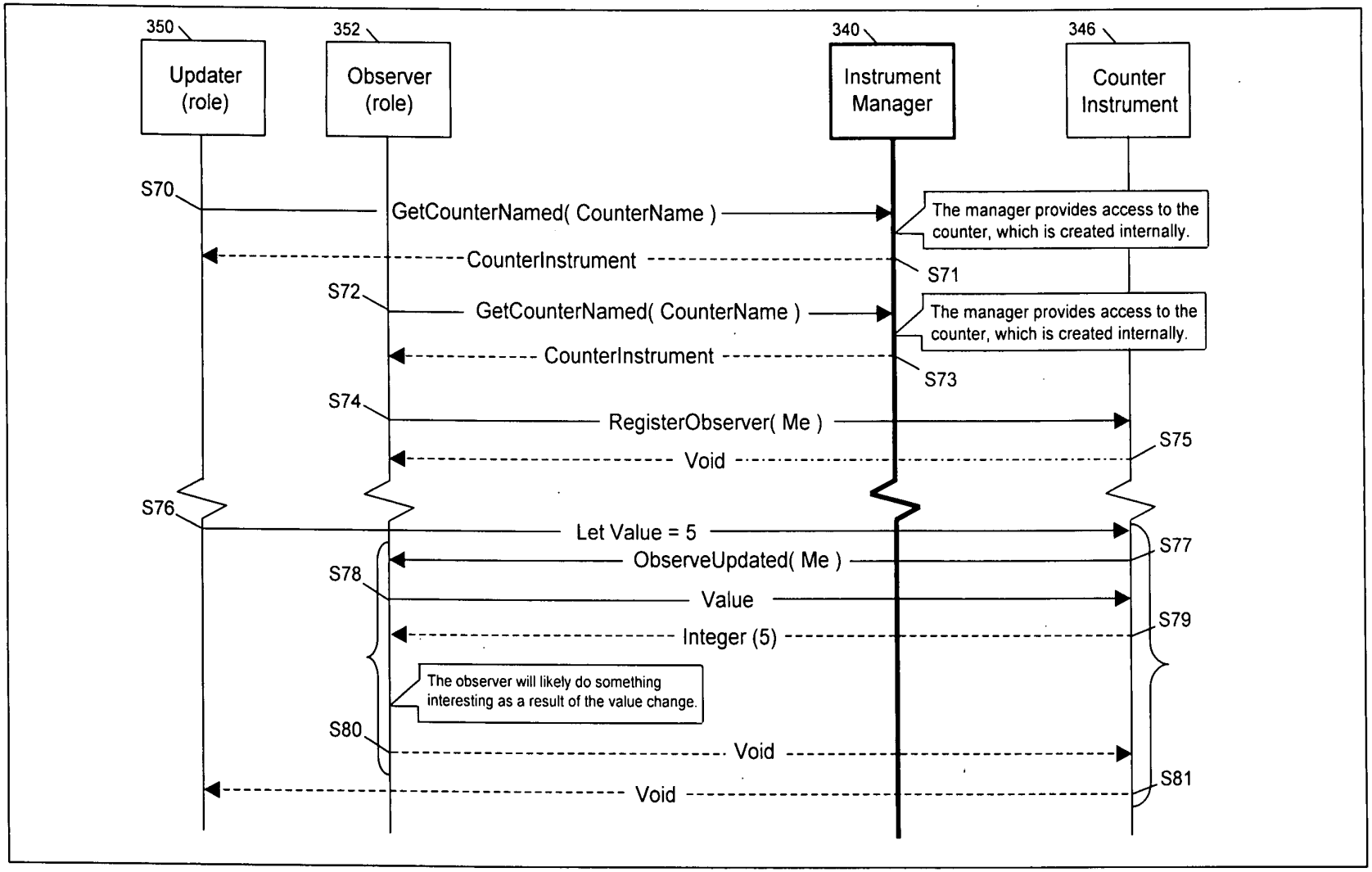

FIG. 22

09671422 .092700